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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/750,734	12/27/2000	Sanjay S. Natarajan	42390P10050	7194
8791 7	590 06/08/2004		EXAMINER	
BLAKELY SOKOLOFF TAYLOR & ZAFMAN 12400 WILSHIRE BOULEVARD, SEVENTH FLOOR			GURLEY, LYNNE ANN	
LOS ANGELES, CA 90025		ENTHILOOK	ART UNIT	PAPER NUMBER
			2812	
			DATE MAILED: 06/08/2004	1

Please find below and/or attached an Office communication concerning this application or proceeding.

	A 11 41 A		[]]	
	Application No.	Applicant(s)	plicant(s)	
	09/750,734 NATARAJAN ET AL.			
Office Action Summary	Examiner	Art Unit		
	Lynne A. Gurley	2812		
The MAILING DATE of this communication app Period for Reply	pears on the cover she t with th	e correspondenc address		
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply b ly within the statutory minimum of thirty (30) will apply and will expire SIX (6) MONTHS (e, cause the application to become ABANDO	e timely filed days will be considered timely. from the mailing date of this communication. DNED (35 U.S.C. § 133).		
Status	•			
1) Responsive to communication(s) filed on 18 N	<u> March 2004</u> .			
2a)⊠ This action is FINAL . 2b)□ This	s action is non-final.			
3) Since this application is in condition for allowa closed in accordance with the practice under the secondary conditions are secondary to the secondary secondary to the secondary secon	·			
Disposition of Claims				
4) ☐ Claim(s) 1-18,20,21 and 23-29 is/are pending 4a) Of the above claim(s) 14-17 is/are withdraw 5) ☐ Claim(s) 1-7,18,20,24,26,28 and 29 is/are allo 6) ☐ Claim(s) 8-13,21,23,25 and 27 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	wn from consideration. wed.			
Application Papers				
9) The specification is objected to by the Examine	er.			
10)⊠ The drawing(s) filed on <u>27 December 2000</u> is/a	are: a)⊠ accepted or b)⊡ obj	ected to by the Examiner.		
Applicant may not request that any objection to the	drawing(s) be held in abeyance.	See 37 CFR 1.85(a).		
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex				
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea	ts have been received. ts have been received in Applic prity documents have been rece	cation No		
* See the attached detailed Office action for a list		LYNNE A. URLEY		
Attachment(s)	•	RIMARY PATENT EXAMINER		
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summ Paper No(s)/Ma	TC 2800, AU 2812 ary (P10-413) il Date		
B) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		al Patent Application (PTO-152)		

Application/Control Number: 09/750,734

Art Unit: 2812

This Office Action is in response to the amendment filed 3/18/04.

Currently, claims 1-18, 20-21 and 23-29 are pending. Claims 14-17 have been withdrawn.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 8-13, 21, 23, 25 and 27 are rejected under 35 U.S.C. 102(e) as being anticipated by Braeckelmann et al. (US 6,475,925, dated 11/5/02, filed 4/10/00).

Braeckelmann shows the method as claimed in figures 3-6 and corresponding text, with alternating layers 202 etch stop, 204 base, 206 low-k and 208 cap which is configures to suppress substrate reflections during patterning by the addition of ARC layer 302. The sequence of layers is repeated in figures 5-6. Silicon dioxide is disclosed. As well as silicon nitride. A second dielectric is between the first dielectric and the substrate. The interconnection line is a first level interconnection line.

Allowable Subject Matter

3. Claims 1-7, 18, 20, 24, 26, and 28-29 are allowed.

Art Unit: 2812

Response to Arguments

Applicant's arguments, see the amendment, filed 3/18/04, with respect to the 4. rejection(s)of claim(s) 1-13, 18, 20-21, and 23-29 under 35 USC 102(e) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Braeckelmann et al. (US 6,475,925).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this 5. Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lynne A. Gurley whose telephone number is 571-272-1670. The examiner can normally be reached on M-F 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Niebling can be reached on 571-272-1679. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lynne A. Gurley
Primary Patent Examiner

TC 2800, AU 2812

LAG June 4, 2004